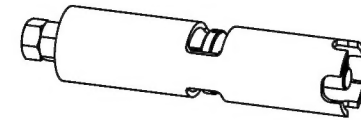
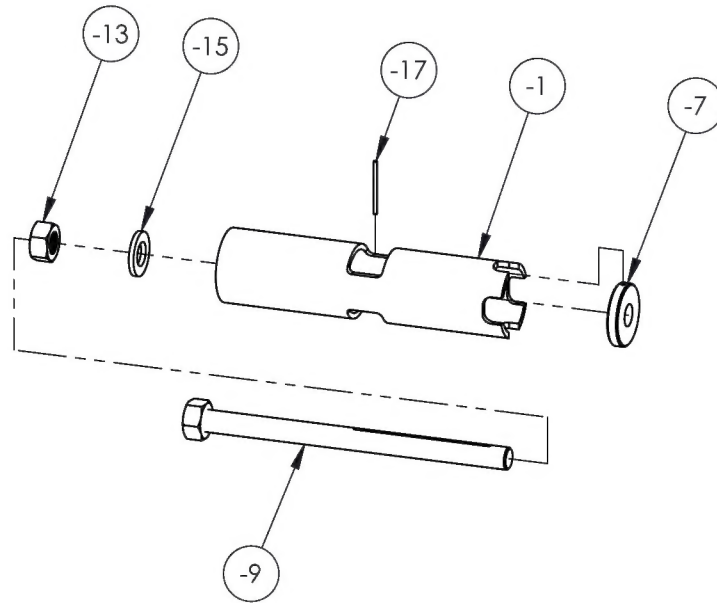


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	2/24/2017	DPD	JAG



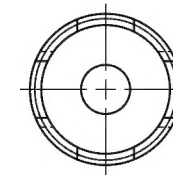
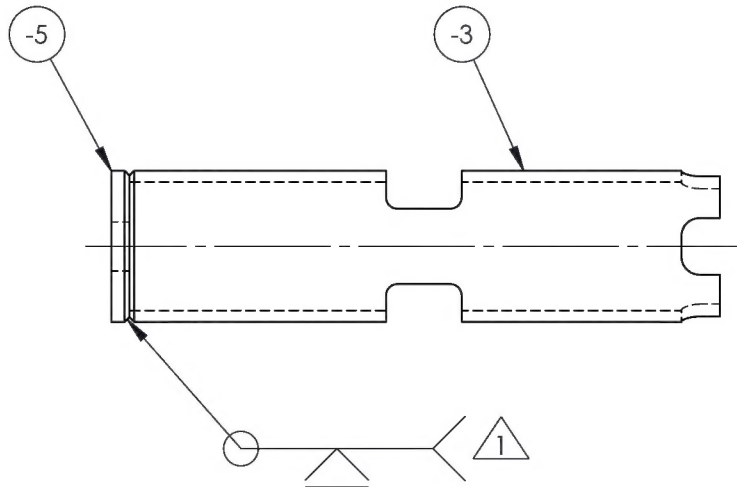
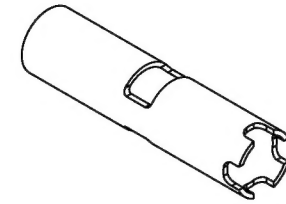
NOTE:
PART OF KIT RBEM323U3006103.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	TUBE WELDMENT			2
	1		-3		TUBE	STEEL TUBE		3
	1		-5		TUBE CAP	A36/1018/1020 HR		4
			-7	1	SPACER	WHITE DELRIN/ACETAL		5
X			-9	1	BOLT WELDMENT			6
1			-11		THREADED ROD	B7	M12 X 1.25mm X 300mm (MCMaster-CARR #95245A110) MODIFIED	7
1		B/O	-13	1	HEX NUT	STEEL	M12 X 1.25mm (MCMaster-CARR #91415A235)	1 & 6
		B/O	-15	1	WASHER	S.S.	M12 (MCMaster-CARR #93475A290)	1
		B/O	-17	1	DOWEL PIN	STEEL	M2 X 30mm (MCMaster-CARR #91595A043)	1
ASSY -9	ASSY -1							

DART AEROSPACE	
TITLE TOOL C	
DWG NO. RBEM323U3006103C	REV 1
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
TREAT	
FINISH	
SPEC	
DRAWN BY: DUERFELDT	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:4	DATE 3/18/2016
USED ON MODEL H175	
SHEET 1 OF 7	

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REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED



NOTE:

1 CLEAN UP OD AFTER WELDING.



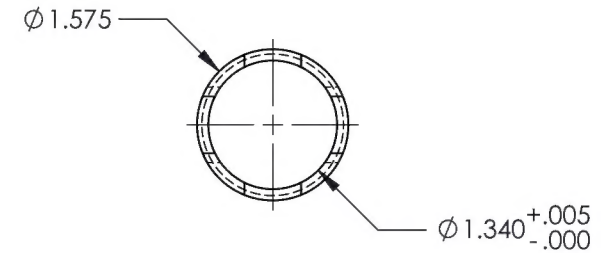
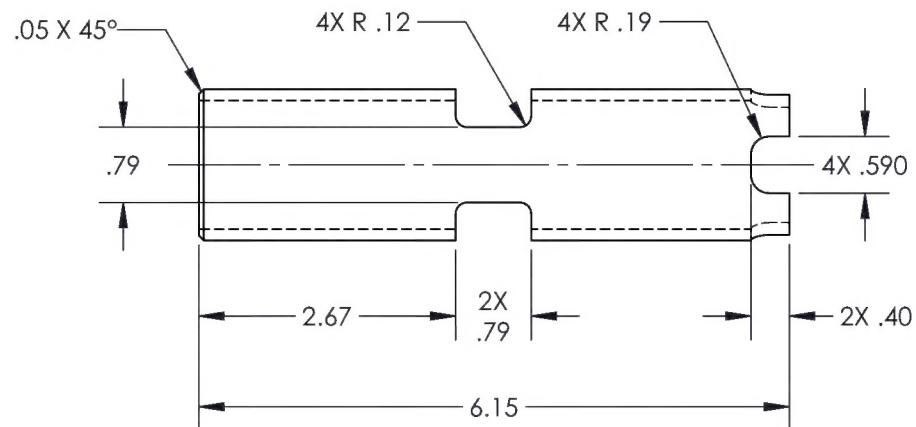
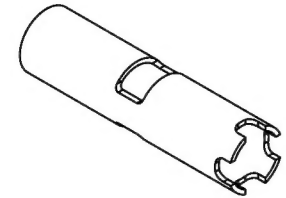
TITLE		TOOL C	
DWG NO.	RBEM323U3006103C-1		REV 1
MAT'L	UNLESS OTHERWISE SPECIFIED		
HEAT TREAT	DIMENSIONS ARE IN INCHES		
FINISH	.XXX ± .010 FRACTIONS ± 1/8		
ZINC PLATE	.XX ± .03 ANGLES ± 1°		
SPEC	.X ± .1 SURFACES = 125°		
ASTM B633 TYPE II SC 2	1. BREAK ALL SHARP EDGES		
DRAWN BY: DUERFELDT	.015 x 45° OR .015R		
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY		
OPPS APPR: ANDERSON	AFTER PLATING		
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER		
APPROVED: GILBERT	ASME Y14.5M-2009		
SCALE	1:2	DATE	3/18/2016
		USED ON MODEL	
		H175	
		SHEET 2 OF 7	

(-1)

TUBE WELDMENT

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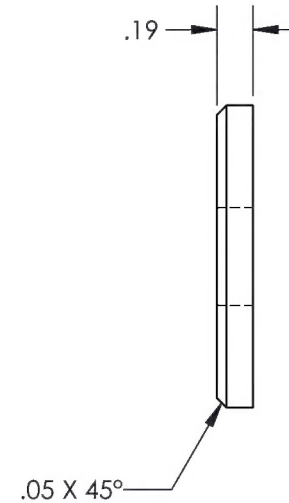
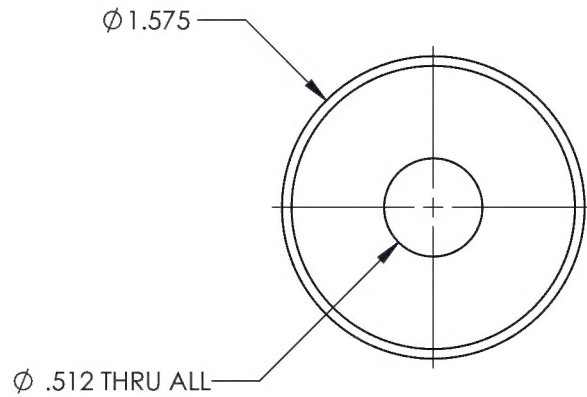
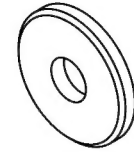
(-3)

TUBE

DART AEROSPACE	
TITLE TOOL C	
DWG NO. RBEM323U3006103C-3	REV 1
MAT'L STEEL TUBE	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:2	DATE 3/18/2016
	SHEET 3 OF 7

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				APPROVED

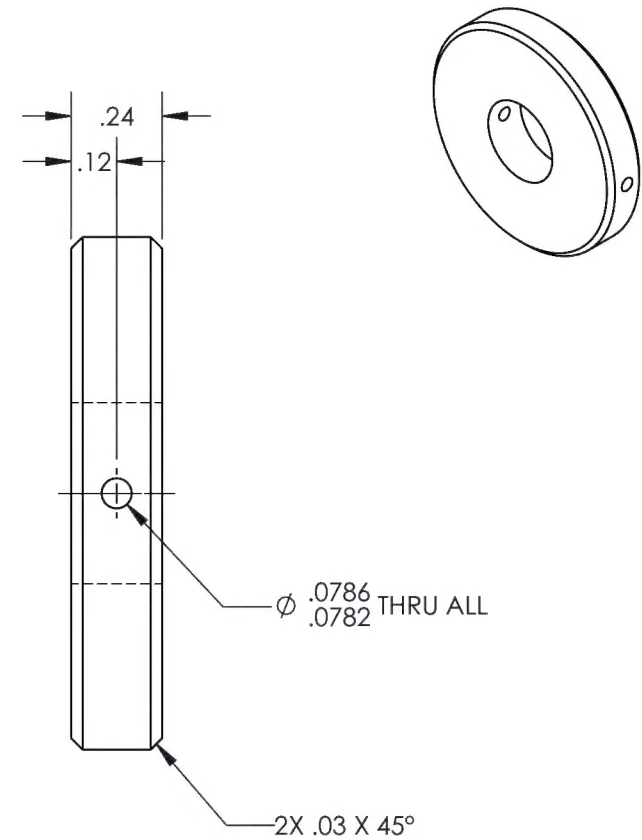
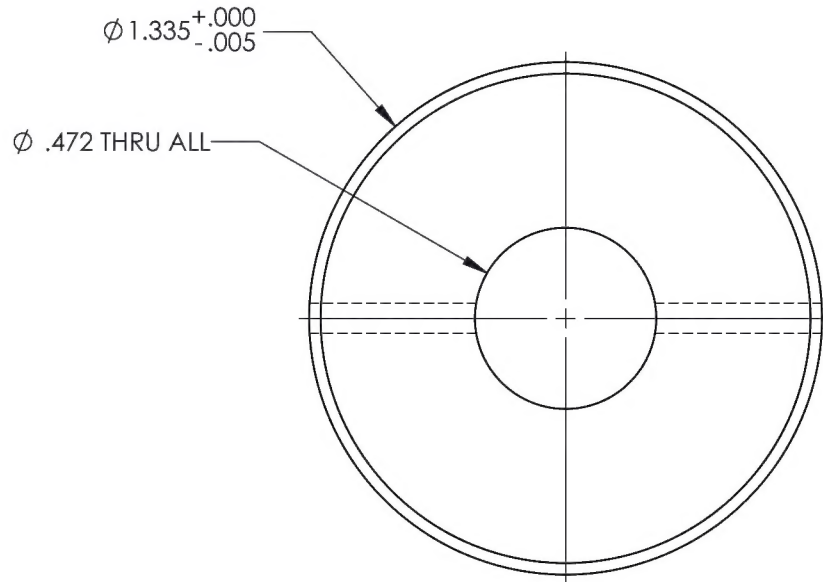


(-5)
TUBE CAP

DART AEROSPACE	
TITLE TOOL C	
DWG NO. RBEM323U3006103C-5	REV 1
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 3/18/2016
	SHEET 4 OF 7

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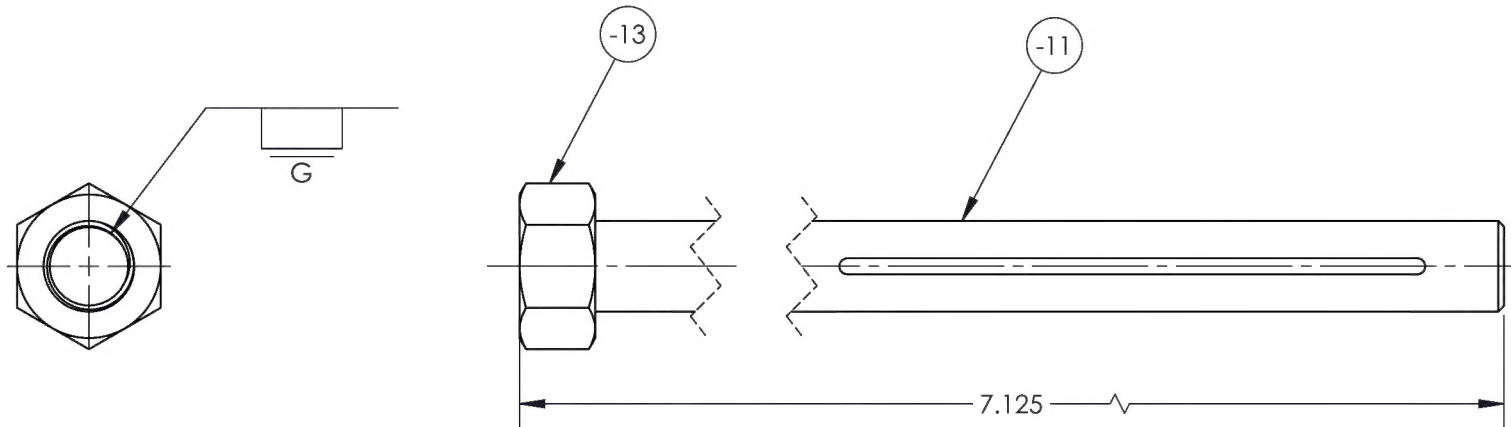
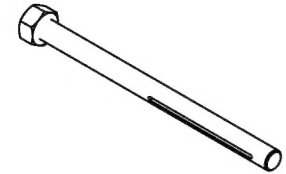


(-7)
SPACER

DART AEROSPACE	
TITLE TOOL C	
DWG NO. RBEM323U3006103C-7	REV 1
MAT'L WHITE DELRIN/ACETAL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 3/18/2016
	SHEET 5 OF 7

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				APPROVED



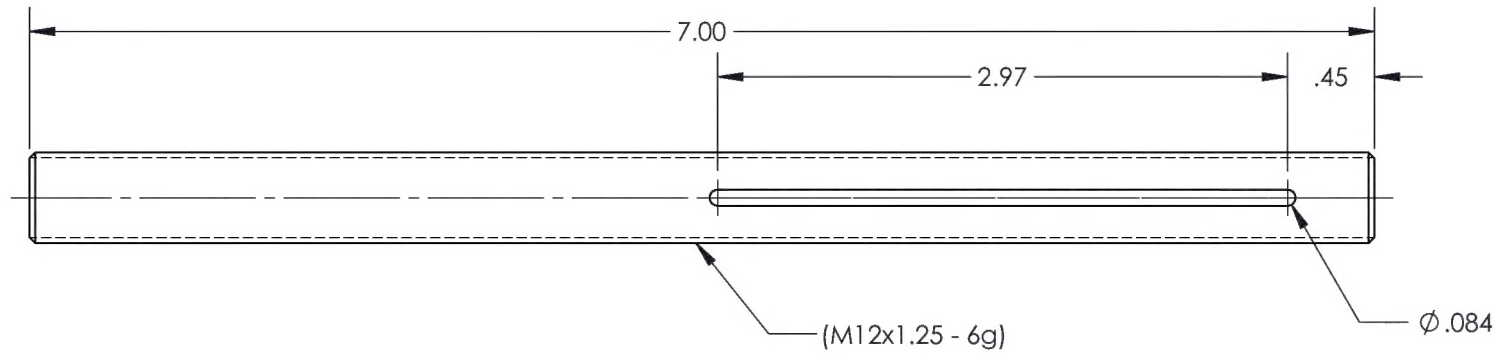
-9

BOLT WELDMENT

DART AEROSPACE	
TITLE	
DWG NO.	RBEM323U3006103C-9
	REV 1
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .010 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 3/18/2016
	SHEET 6 OF 7

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(11)

THREADED ROD

DART AEROSPACE	
TITLE TOOL C	
DWG NO. RBEM323U3006103C-11	REV 1
MAT'L B7	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -9	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 3/18/2016
	SHEET 7 OF 7